

10/551699
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CD054PCT.ST25.txt

SEQUENCE LISTING

<110> CropDesign N.V.

<120> Plant haemoglobin

<130> CD-054-PCT

<150> EP 03075974.0

<151> 2003-04-01

<160> 16

<170> PatentIn version 3.1

<210> 1

<211> 860

<212> DNA

<213> Beta vulgaris

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cagaggaagt	tccacagaat	aatcccaagc	tgaaagctca	tgcaatcaag	gtttttaaaa	300
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cccttaaata	tttgggagct	atccatttga	agaatggagt	gattgatccc	cattttgagg	420
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aatattctta	ttgttttga	ggggaaatta	ttgttattgt	tgattctgac	tcacttatt	660
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Asp	Ser	Glu	Glu	Val	Pro	Gln	Asn	Asn	Pro	Lys	Leu	Lys	Ala	His	Ala
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Ile	Lys	Val	Phe	Lys	Met	Thr	Cys	Glu	Ser	Ala	Ile	Gln	Leu	Arg	Glu
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Lys Gly Glu Val Val Val Gly Glu Thr Thr Leu Lys Tyr Leu Gly Ala

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85

90

95

Ile His Leu Lys Asn Gly Val Ile Asp Pro His Phe Glu Val Val Lys
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Gln Ala Leu Leu Arg Thr Ile Glu Glu Ala Ser Gly Asp Lys Trp Ser
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 35 40 45

Phe Leu Arg Asp Ser Asp Glu Val Pro His Asn Asn Pro Lys Leu Lys
 50 55 60

Ala His Ala Val Lys Val Phe Lys Met Thr Cys Glu Thr Ala Ile Gln
 65 70 75 80

Leu Arg Glu Glu Gly Lys Val Val Val Ala Asp Thr Thr Leu Gln Tyr
 85 90 95

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Leu Gly Ser Ile His Leu Lys Ser Gly Val Ile Asp Pro His Phe Glu
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Val Val Lys Glu Ala Leu Leu Arg Thr Leu Lys Glu Gly Leu Gly Glu
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ccagcagcaa aggacatgtt ctcttccta agagacacag atgaagtccc tcataacaat 180
cctaaactca aagctcatgc tggtaaagtc ttcaagatga catgtgagac agcaatacag 240
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catttcaaga gcggtgttct tgatcctcac tttgaggtgg tgaaagaggc attggtgagg 360
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20 25 30

Phe Ser Gln Ile Leu Glu Ile Ala Pro Ala Ala Lys Asp Met Phe Ser
35 40 45

Phe Leu Arg Asp Thr Asp Glu Val Pro His Asn Asn Pro Lys Leu Lys
50 55 60

Ala His Ala Val Lys Val Phe Lys Met Thr Cys Glu Thr Ala Ile Gln
65 70 75 80

Leu Arg Glu Lys Gly Lys Val Val Ala Asp Thr Thr Leu Gln Tyr
85 90 95

Leu Gly Ser Val His Phe Lys Ser Gly Val Leu Asp Pro His Phe Glu
100 105 110

Val Val Lys Glu Ala Leu Val Arg Thr Leu Lys Glu Gly Leu Gly Glu
115 120 125

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Lys Tyr Asn Glu Glu Val Glu Gly Ala Trp Ser Lys Ala Tyr Asp His
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Leu Ala Leu Ala Ile Lys Ala Glu Met Lys Gln Glu Asp Ser Gln Lys
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